

**THE EMBODIMENTS OF THE INVENTION IN WHICH AN EXCLUSIVE
PROPERTY OR PRIVILEGE IS CLAIMED ARE DEFINED AS FOLLOWS:**

- 5 1. A nitric oxide gas generator, comprising:
a body having a dilution inlet chambers, a chemical
mixing chamber, and a dilution outlet chamber, a dilution
inlet for diluent gases being provided into the dilution
inlet chamber, an inlet being provided to permit entry of the
10 diluent gases into the chemical mixing chamber, an outlet
being provided to permit the exit of diluted nitric oxide gas
from the chemical mixing chamber to the dilution outlet
chamber, a dilution outlet being provided for removal of
diluted nitric oxide gas from the dilution outlet chamber;
15 supports for supporting chemicals to be reacted to
produce nitric oxide gas; and
a heat source to heat the chemical mixing chamber in
which chemicals are mixed to initiate a chemical reaction
that produces nitric oxide gas.